

CARROT 3 - CHILD RESTRAINT SYSTEM
For Children with Special Needs

Instruction Manual



WARNING!

**Read all instructions
before using this
restraint system.**



CARROT 3 CHILD RESTRAINT SYSTEM

The Carrot 3 is designed to provide additional support for children who have difficulty sitting correctly in conventional car seats. Always consult your doctor to make sure that this restraint system is suitable for your child.

Your child's safety is very important to us. To ensure that your restraint system is installed correctly, please read all the instructions in this manual before use. If you require additional assistance, please call Convaid at (888) 266-8243.

Table of Contents

WARNINGS	1
SAFETY INFORMATION	3
Important Notes	3
Certification	4
FEATURES	6
INSTALLATION	8
LATCH Installation	8
Using LATCH Top Tether Strap	9
Aircraft Installation	9
HEAD SUPPORT	10
Head Support Depth Adjustment	10
Head Support Contour Adjustment	10
Head Pillow Adjustment	10
SHOULDER SUPPORT	11
Harness Strap Adjustment	11
Seatbelt Length Adjustment	11
Shoulder Strap Comfort Pad	12
Shoulder Protector Wing	12
Shoulder Protector Wing Installation	13

Table of Contents

CHEST SUPPORT	14
Chest Support Pad Adjustment	14
Harness Buckle - Fastening / Releasing	14
LATERAL SUPPORT	15
Lateral Support Adjustment	15
BACKREST	16
Backrest Height Adjustment	16
Backrest Extensions	16
SEAT	17
Seat Length Adjustment	17
Seat Extensions	17
Rodded Seat Extension - Long	18
Rodded Seat Extension - Short	18
Pommel	18
Pommel Attachment	18
Seat Depth Adjustment	19
Footrest Adjustment (Small / Medium / Large)	19
Support Tray	19
Wedge Cushion	19
Pads and Cushions	20
Securing Your Child	21
CARE AND MAINTENANCE	23
Upholstery, Cushions, Pillow & Pads	23
Harness Buckle	23
Harness & Straps	23
WARRANTY	24
Consumer Information Record	24
Warranty	Back Cover
Warranty Limitations	Back Cover
Limitation of Damages	Back Cover



WARNING !

DEATH or SERIOUS INJURY can occur

- Failure to follow all instructions and product labels can result in death or serious injury in a crash. Carefully read and understand all instructions on this child restraint and in the written instructions. If you have questions, contact Convaid at 1-888-CONVAID (266-8243).
- Use only with children who weigh between 30 and 108 pounds (mass between 13.6 and 49 kg) and whose height is between 37 and 60 inches (94 and 152 cm).
- Use only in a forward-facing position.
- Use restraint **ONLY** with forward-facing vehicle seats. Do not use restraint with side-facing, rear-facing or flip-down vehicle seats.
- According to accident statistics, the National Highway Traffic Safety Administration recommends the vehicle's rear seat is the safest location for a properly installed child restraint system.
- Do not use a child restraint in the front seat of the vehicle unless the passenger air bag is turned off. Death or serious injury can occur. Refer to your vehicle owner's manual for instruction, warnings, and precautions.
- Adjust the harnesses and belts for a comfortable and snug fit around your child. There should not be any slack or twist in the straps, and the straps should not press on the child's skin or push the child's body into an unnatural position.
- Never leave a child unattended in the vehicle even if they are secured in the child restraint.
- Secure this restraint to the vehicle's seat with the upper top tether strap and lower anchor straps (LATCH).
- Use this child restraint only with vehicles with lap shoulder 3-point safety belts approved by FMVSS 209.
- Rigid items & plastic parts of the restraint system must be located and installed so they do not become trapped by a movable seat or in a door of the vehicle.



WARNING !

DEATH or SERIOUS INJURY can occur

- Discontinue use of your child restraint if it has been involved in ANY type of accident. It may no longer be effective and should be replaced immediately.
- This child seat must not be used in the home, in boats, or other non-certified applications.
- Always keep this child restraint secured in the vehicle, even when not in use. In an accident, an unsecured child restraint system may injure other occupants.
- Do not use the child restraint in a vehicle with passenger air bags unless the air bags are turned off. Death or serious injury can occur. Refer to your vehicle's owner's manual for instructions, warnings and precautions.
- When using this child restraint in a vehicle with side air bags, refer to your vehicle's owner's manual for instructions, warnings and precautions.
- This restraint must not be used without the upholstery cover.
- The child restraint upholstery cover should only be replaced with one recommended by the manufacturer.
- Follow all instructions on this child restraint and in the written instruction manual located in the pocket behind the unit.
- Never use the adjustment straps to lift or carry this restraint. This can damage the mechanism and the webbing.
- Do not remove the harness and straps from the child seat. Never remove the buckles and/or the buckle clasps from the harness or the straps.
- The primary protection for occupants of a vehicle in a collision is the body of the vehicle itself; a child restraint will not protect a child when a vehicle is seriously impacted. However, correctly installed, a child restraint will substantially improve chances for survival in most crashes. Make sure all users fully understand the correct ways to use this child restraint in a vehicle.
- Register your child restraint with the manufacturer.

Safety Information

- This child restraint system conforms to U.S. Federal Motor Vehicle Safety Standard FMVSS 213.
- This restraint is certified for use in motor vehicles and aircrafts.
- Register this restraint with the manufacturer.

Child restraints could be recalled for safety reasons. To be reached directly in the event of a recall, you must register your restraint with the manufacturer. Send your name, address, email address if available, child restraint's serial number and manufacturing date to:

Convoid Product Registration
2830 California Street
Torrance, CA 90503

Or call Convoid at 1-888-CONVAID (266-8243).

For recall information, call the U.S. Government's Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153) or go to <http://www.NHTSA.gov>.

Important Notes

Correctly set up and install the child restraint before using. Before each use, verify it is securely installed to the vehicle seat and the harness is properly adjusted around child.

- Adjust harness to fit securely around the clothes the child is wearing. Remove bulky coats and/or jackets before putting child in restraint system.
- Cover child restraint when vehicle is parked in direct sunlight. Parts of the restraint could become hot and cause injury to a child.
- Store restraint in a safe place when not in use. Avoid placing heavy objects on top of it.
- Never leave children alone in a vehicle, even for a short time.
- Do not attempt to disassemble any part of the child restraint or change the way its harness or vehicle's seat belts are used, except as described in this manual.
- Do not leave loose objects, e.g. books, bags, etc., in the back of a vehicle. In the event of a sudden stop, loose objects will keep moving, potentially causing serious injuries.
- Make sure vehicle seats that fold forward are securely locked in their open position. An unsecured vehicle seat back could prevent the restraint from protecting the child completely.
- Do not use anything to raise child seat off vehicle seat except as described in this manual. In an accident, the child restraint may not adequately protect the child.
- Do not allow children to play with this or any child restraint system.
- This child seat is recommended to be used in the upright position.

Certification

This child restraint system conforms to U.S. Federal Motor Vehicle Safety Standard FMVSS 213 and European Safety Standard ECE R44/04.

Safety Information



WARNING!

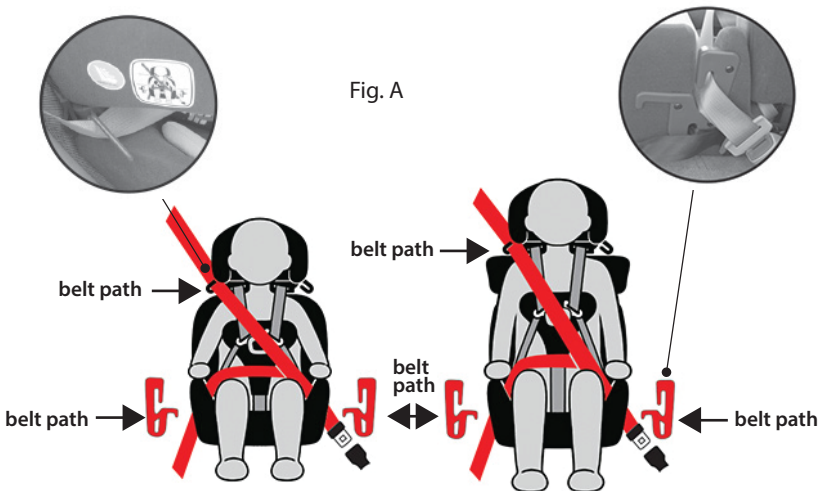
It is your **RESPONSIBILITY** to use the
Vehicle's Safety Belts at the same time.

DO NOT secure a child only with the harness straps (5-point) of the child restraint;
ALWAYS use the vehicle's lap shoulder (3-point) safety belt at the same time to secure
the child restraint and the child.

Not using vehicle's lap shoulder (3-point) safety belt could cause your child restraint
to not perform as intended, and increase the potential of Serious Injury or Death.

Figure A. below illustrates a vehicle lap and shoulder (3-point safety) belt secured
over the child restraint. Child restraint is shown at its smallest and largest
configurations.

IMPORTANT: Upper belt path should be above occupant's shoulder for
proper securement.



Safety Information



WARNING!

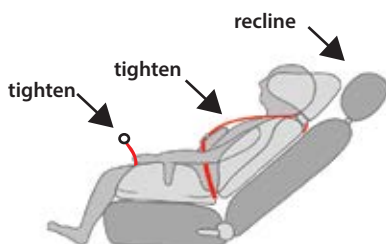
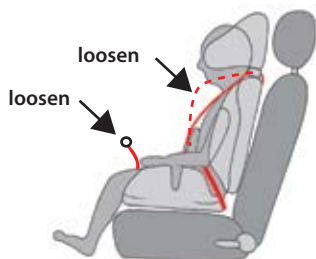
This child restraint must be used in a forward-facing position only.



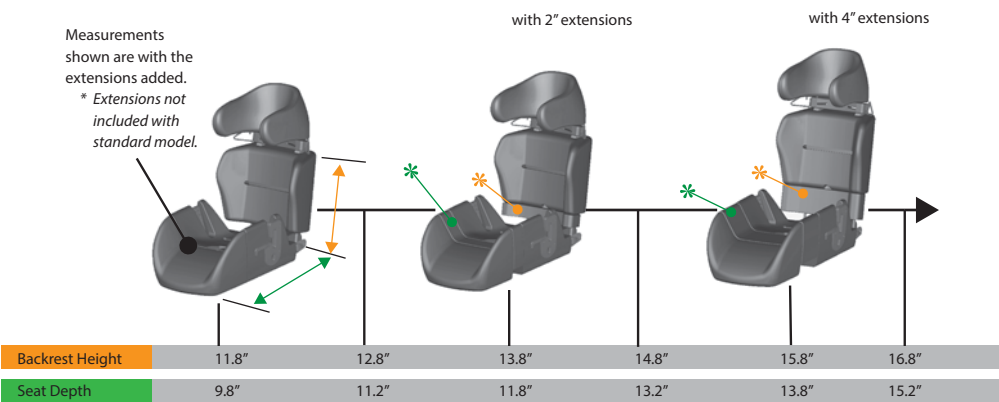
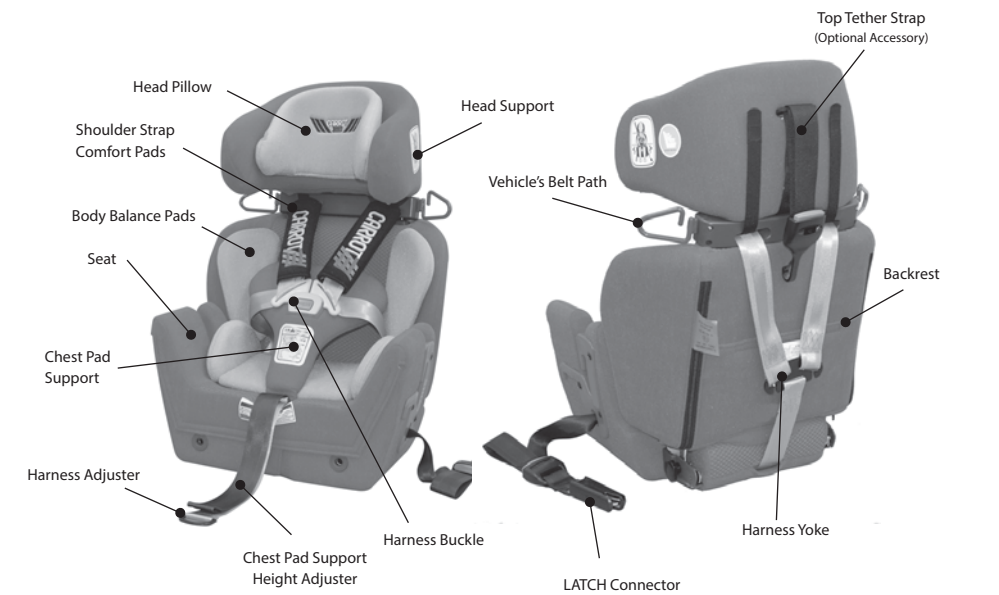
WARNING!

Before reclining the back, you must release and loosen the harness straps. Once reclined, re-tighten the harness straps. Reclining the back without loosening the harness straps may cause choking.

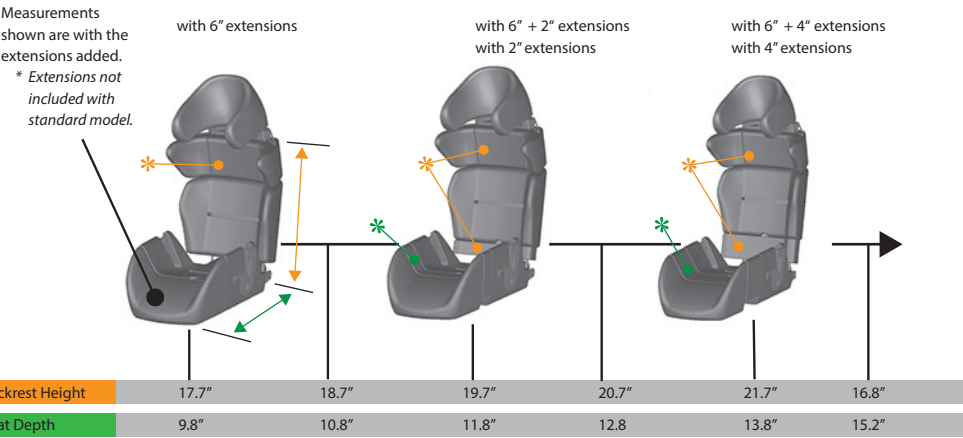
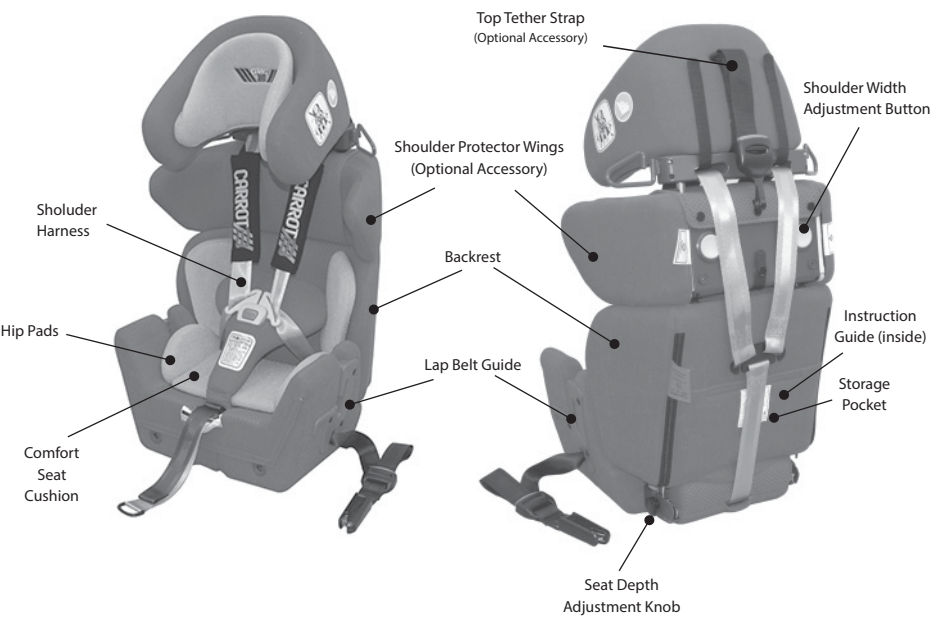
The Carrot 3 was tested at a 30° recline from vertical, and should not be transported in a moving vehicle past this point.



Features: Carrot 3 Standard Model



Features: Carrot 3 Standard Model



Installation



Lower Anchor and Tethers for **CH**ildren



LATCH Installation

This child restraint system is recommended for use in a vehicle with LATCH anchors. Verify that your vehicle is equipped with LATCH anchors.

Lower Anchor Straps Installation:

1. Press and hold the first LATCH adjuster release button, then pull the LATCH strap to full length. Repeat for the remaining LATCH connector (Fig. A).
2. Place the child restraint forward-facing on the vehicle seat.
3. Attach one LATCH connector to its adjacent vehicle LATCH anchor (Fig. B).
 - a. An audible click confirms attachment
 - b. Ensure that the LATCH strap is not twisted.
4. Attach the remaining LATCH connector to its adjacent vehicle LATCH anchor.
 - a. An audible click confirms attachment
 - b. Ensure that the LATCH strap is not twisted.
5. Push the child restraint into the vehicle seat while pulling each LATCH strap tight (Fig. C).

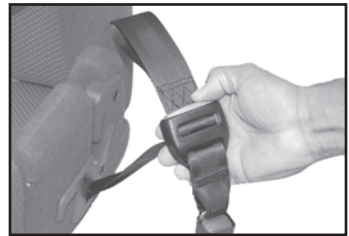


Fig. A



Fig. B



Fig. C

NOTE:

If an audible click is not heard when connecting either LATCH connector, the LATCH strap may be twisted, or there may be debris in the LATCH connector. Correct either situation before continuing with the installation process.

IMPORTANT:

Ensure the LATCH strap does not fold into the LATCH adjuster while tightening.

Installation

USING LATCH Top Tether Strap

If your vehicle is equipped with LATCH Top Tether Anchor points, you can use the Top Tether Strap to attach the Head Support.

NOTE:

All vehicles manufactured since September 1, 2002 are equipped with tether anchors located behind the rear seats.

1. Consult your vehicle owner's manual to locate the tether anchor points.
2. Pull and fully extend the top tether strap (Fig. A or B).
3. Locate the hook on the strap and loosely attach the tether strap to the anchor point.
4. Pull the tether strap to remove ALL slack (Fig. B).
5. Make sure the tether strap is taut and that child seat is properly secured.

NOTE:

The child restraint is secure when it cannot be moved front-to-back or side-to-side more than 1 inch (2.5 cm) at the belt path. If the child restraint is not secure, repeat the installation process or use an alternate seating location.



Fig. A (Car)

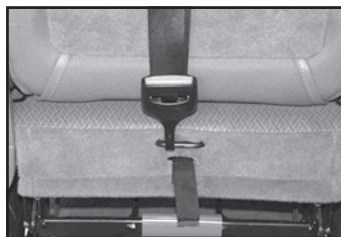
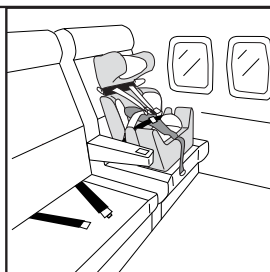


Fig. B (Van)

Aircraft Installation

This restraint is certified for use in an aircraft. Most airlines allow the use of a child restraint if it has been approved for airline use and properly fits into the aircraft. Contact your airline about their child restraint policy before traveling.

- The FAA recommends that a child weighing up to 40 lbs (18.1 kg) use a certified harness child seat while traveling on an aircraft.
- Install child restraint in a window seat.
- If the aircraft lap belt is too short, ask the flight attendant for a belt extender.



Head Support

Head Support Depth Adjustment

The Head Support can be adjusted forward or backward by 0.6" (1.5 cm) increments to provide a better fit and added protection for the occupant (Fig. A).

To Adjust: Remove screws on each side of the head support with a Phillips screwdriver. Move the head support to selected position, and reinsert screws (Figs. B & C).



Fig. A



Fig. B

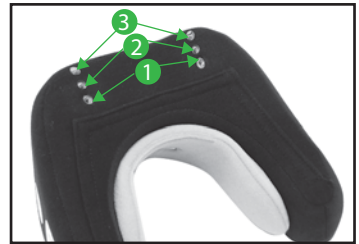


Fig. C
(Use holes 1, 2 or 3 on both sides)

Head Support Contour Adjustment

The head support can be contoured to better fit and protect the head. This adjustment must be performed on limited bases (to not weaken the head support structure) by the dealer.



Head Pillow Adjustment

The Head Pillow provides added comfort and positioning.

To reposition: Grasp the head pillow and pull it away from the head support. Place the head pillow where desired and press down to affix Velcro.



Functions

Shoulder Support

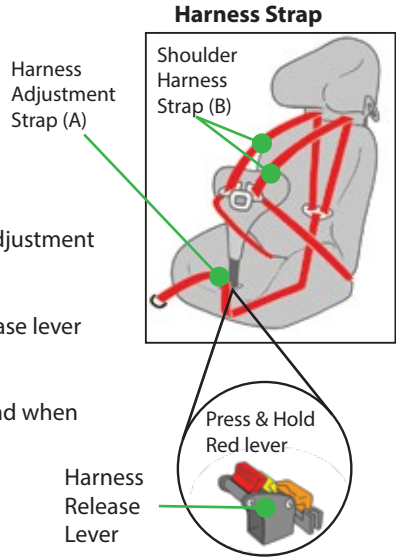
Harness Strap Adjustment

The Harness Strap comfortably positions the child in place.

To tighten the shoulder harness strap, pull on the harness adjustment strap (Fig. A).

To loosen the harness strap, press and hold the harness release lever (Red), while pulling the shoulder harness strap (Fig. B).

NOTE: Do not pull on the padded covers or chest support pad when loosening the harness strap.



Seatbelt Length Adjustment

1. Turn knob counter clockwise and remove (Fig. A).
2. Separate the Carrot seat from the back.
3. Pull webbing (strap) off of seat tube.
4. Replace webbing (strap) utilizing the lower loop. Before replacing, fold the webbing loop inward so the attachment area is not covered by the strap (Fig. B).
5. Reattach knob. It is very important to make sure that the back's tube is in between the seat's tube and gray plastic cover before reassembling (Fig. C).



Fig. A

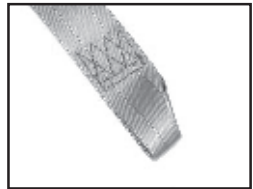


Fig. B

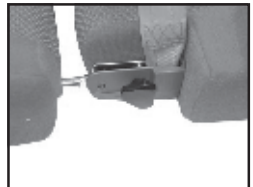


Fig. C

Functions

Shoulder Strap Comfort Pad

The shoulder strap comfort pad can be moved by readjusting the Velcro attached to the back of the Head Support.



Shoulder Protector Wing (OPTIONAL ACCESSORY)

The Shoulder Wing has up to 4" of width adjustment.

To adjust the width, press/ hold the yellow button on the back of the shoulder wing, and pull the shoulder wing outward to the desired position. (Fig. A).

IMPORTANT :

As your child grows and the Shoulder Protector Wing is utilized, you may need to adjust the length of the Harness Strap (see page 13).

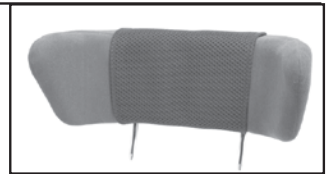


Fig. A

Functions

Shoulder Protector Wing Installation

1. Detach straps from shoulder strap harness bracket. Remove straps and padded covers from chair (Fig. A & B).
2. Press and hold height adjustment buttons, and remove head support (Fig. C & D).
3. Remove 2 screws located on the rods (Fig. E)
4. Insert head support rods into the shoulder wing rods, and press together (Fig. F).
5. Align the holes located on the rods, insert 2 screws and tighten. (Fig. G).
7. Attach shoulder wings/head support to the base unit (Fig. H).
8. Re-thread shoulder straps and padded covers, and reconnect to the shoulder strap harness bracket.



Fig. A



Fig. B



Fig. C



Fig. F



Fig. H



Fig. D

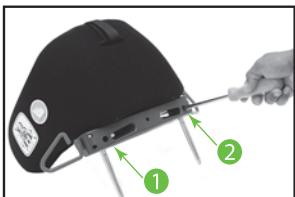


Fig. E

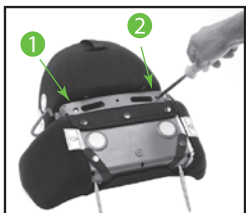


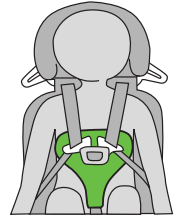
Fig. G

Chest Support



WARNING!

The top of the Chest Support Pad must be at armpit level or lower. Positioning the support pad too high may cause choking



Chest Support Pad Adjustment

To raise the height of the Chest Support Pad, press & hold the Height Adjustment Lever (Yellow) on the front of the child seat, and pull on the pad (Fig. A). To lower the chest support pad, pull the chest support strap (Fig. B).

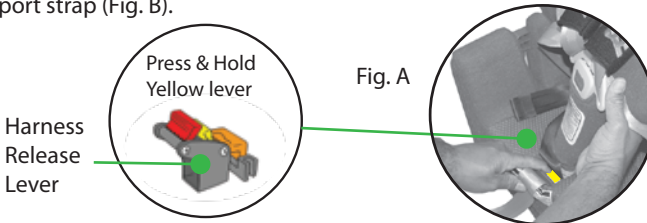


Fig. B



Fig. C

Harness Buckle - Fasten / Release

1. Fasten: Hold the harness buckle with one hand. Use the other hand to insert buckle clasps into the harness buckle (Fig. C). Proper connection is confirmed when you hear a positive click after inserting each buckle clasp.
2. Release: Hold the harness buckle with one hand. With the other hand, press the release button and remove both clasps from the buckle (Fig. D).



Fig. D

Functions

Lateral Support

Lateral Support Adjustment (OPTIONAL ACCESSORY)

Lateral supports are used to maintain midline positioning of the trunk.

To adjust:

- 1. Unfasten the Velcro and the zipper on the back upholstery.
- 2. Pull back the upholstery. (Fig. A)
- 3. Loosen 2 screws with a 7/64" Allen Wrench. (Fig. B)
- 4. Slide lateral to desired height and width. (Fig. C)
- 5. Retighten the screws. (Fig. D)
- 6. Repeat steps 2 - 5 on opposite side.
- 7. Secure the upholstery.

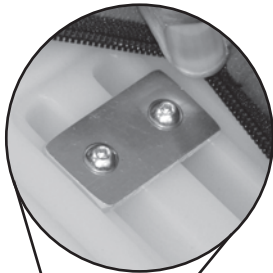


Fig. A

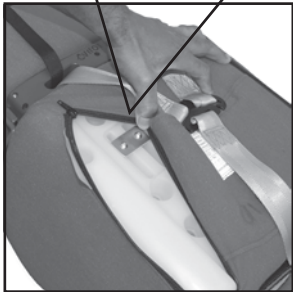
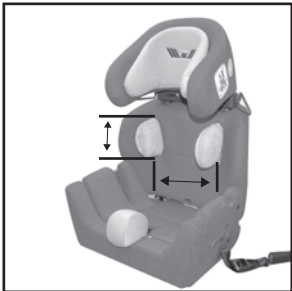


Fig. B



(Fig. C)



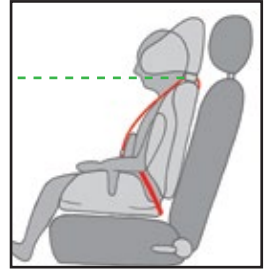
Fig. D

Functions

Backrest

IMPORTANT:

- Height of the shoulder harness strap moves with the height of the backrest.
- The Shoulder Harness Strap must be at or above the child's shoulders, and parallel to the ground.
- The Shoulder Harness Strap is for positioning only, and not designed to support occupant in a crash.



Backrest Height Adjustment

The height of the backrest can be adjusted as the child grows.

To adjust: Pull and hold the black "D" shaped ring at the top of the backrest to release lock. While pulling the release strap, move backrest to desired height and let go of release strap. To fully engage the lock, slightly move backrest until it "clicks" into place.



Note: The seat belt may need to be lengthened. To lengthen the seat belt, remove the retaining screw and gray plastic cover on each side of the restraint system. Pull seat and back apart, and adjust strap to desired length. Slightly tuck the loop on the strap to prevent strap from interfering with the retaining screw. Reinstall the strap, align the silver bars of seat & back, replace gray plastic cover, and reinsert screws.

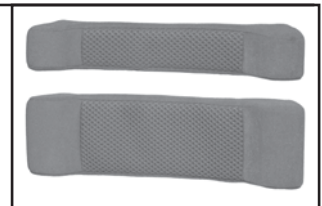


Backrest Extensions snaps into place by pushing.

Backrest Extensions - 2" or 4" (OPTIONAL ACCESSORY)

Backrest Extensions are designed to fill the space exposed between the backrest and the seat when you extend the backrest.

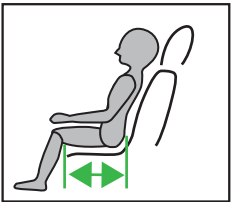
To add an extension, snap the Backrest Extension(s) onto exposed rods.



Functions

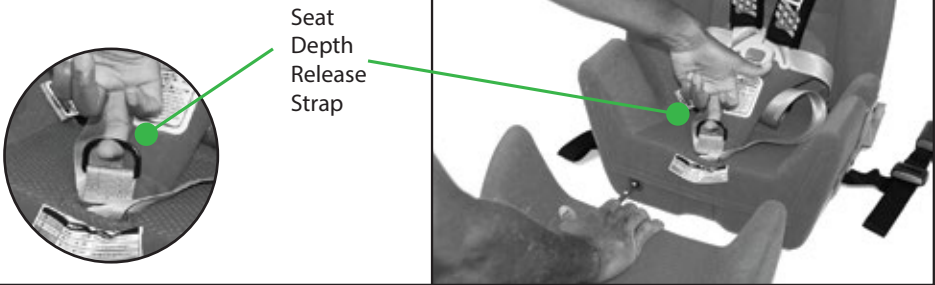
Seat

When the child is sitting with knees bent, the total seat length should be slightly shorter than the length from the pelvis, to the rear of the knee.



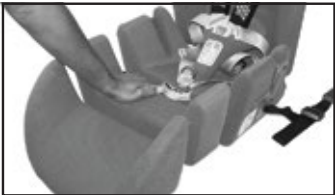
Seat Length Adjustment – 2” or 4”

Release lock by pulling the black “D” shaped ring - Seat Depth Release Strap on the front of the child restraint, and while pulling the strap, adjust the position of the rodded seat extension.



Seat Extensions (OPTIONAL ACCESSORY)

Seat Extensions are designed to fill the space around the metal rods created when you use a rodded seat extension seat and/or extend the footrest.



Seat Extension snaps into place when used with the Rodded Seat Extension



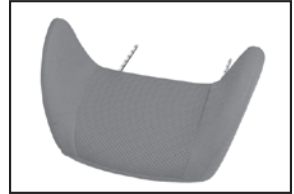
Seat Extension snaps into place when used with the with Footrests

Functions

Rodded Seat Extensions (OPTIONAL ACCESSORY)

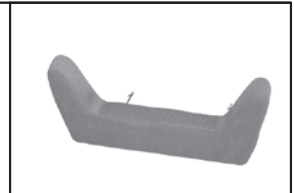
Rodded Seat Extension - Long

Allows the legs to be stretched out and comfortably supported.



Rodded Seat Extension - Short (OPTIONAL ACCESSORY)

Allows the knees to be bent, with the femurs comfortably supported.



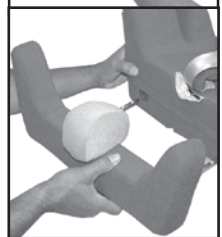
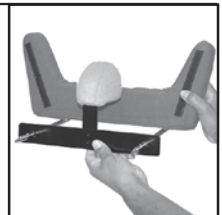
Pommel (OPTIONAL ACCESSORY)

The Pommel separates thighs to improve hip alignment and stabilize sitting posture.

Pommel Attachment

To attach the pommel, insert the seat extension rods* through the holes on the pommel's attachment bracket, and into the holes on the front of the Carrot's seat.

* A rodDED seat extension is required to attach the pommel to the Carrot 3.



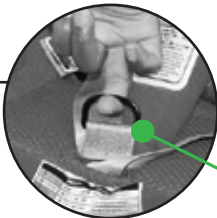
Functions

Seat Depth Adjustment

The seat depth can be adjusted a maximum of 1.4" (3.5 cm) by moving the location of the Seat Depth Adjustment Knob.

To change the seat depth; remove the adjustment knob, reposition to the desired location and reattach.

Note: The knob MUST go through the plastic cover, the seat back rod and the seat rod.



Seat Depth Release Lever

Footrest (OPTIONAL ACCESSORY)

Footrests are available in three sizes - short, medium and long.

Footrest Depth Adjustment: Pull and hold the black "D" shaped ring - Seat Depth Release Lever and adjust to desired position.

Footrest Length Adjustment: Using a 1/2" wrench, loosen bolts on the bottom of the side support tubes, move footplate to desired position and tighten. Repeat on opposite side.



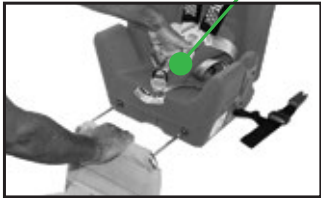
Small
10"-12"



Medium
12"-16"



Large
14"-18"



Support Tray (OPTIONAL ACCESSORY)

The Support Tray (Upper Extremity Support Surface) provides added support for the upper body. It attaches with Velcro located on the side of the restraint.



Wedge Cushion (OPTIONAL ACCESSORY)

The wedge changes the seat-to-back angle by raising the front of the restraint system. Place the wedge under the front of the Carrot 3 seat.



Functions

Pads and Cushions (STANDARD ACCESSORIES)

The following Pads and Cushions are provided as standard accessories, and easily attach / adjust with Velcro.

Head Pillow

Provides comfort and lateral head support.

Body Balance Pads

Used to balance / position the user.

Hip Pads

Provides proper positioning for balance, comfort and support.

Comfort Seat Cushion

Provides additional comfort and prevents the child's pelvis from slipping forward. Comfort cushions are required for occupants that are 40 lbs or less.



Securing Your Child

Securing Your Child

Once the child restraint has been installed in the vehicle and adjustments have been made, follow these instructions to secure the child.

1. Loosen the harness by pressing the harness strap release lever (Red) on the front of the child restraint, and pull the shoulder straps forward (Fig. A).
2. Unfasten the harness buckle by pressing the release button and sliding the tongues out (Fig. B).
3. Move each harness strap to the side of the child seat (Fig. C).
4. Place the child in the child restraint (Fig. D).
5. Position the harness straps around the child and fasten the harness buckle (See Backrest Section for harness adjustment). Proper connection is confirmed when a positive click is heard after inserting each buckle clasp (Fig. E).
6. Slowly pull the harness adjuster strap to tighten the harness around the child (Fig. F).
7. Verify that harness is not twisted and child is properly secured.
8. Fasten vehicle's lap shoulder belt over the child restraint by routing the belt through the upper RED belt guides on the child restraint (Fig. G).
9. Make sure that the vehicle's lap shoulder belt is not twisted or loose, and the child is properly secured.

IMPORTANT:

- Always park your car in a safe place to make any adjustments to the child restraint system. Adjusting and/or handling the child restraint when driving could cause DEATH or SERIOUS INJURY.
- Always pull on the harness after securing the child, to ensure the buckle clasps are secure in the harness buckle.
- When driving, the child restraint must be in the most upright position, unless medically necessary.

Fig. A



Fig. B



Fig. C



Fig. D



Fig. E



Fig. F



Fig. G



Securing Your Child



WARNING!

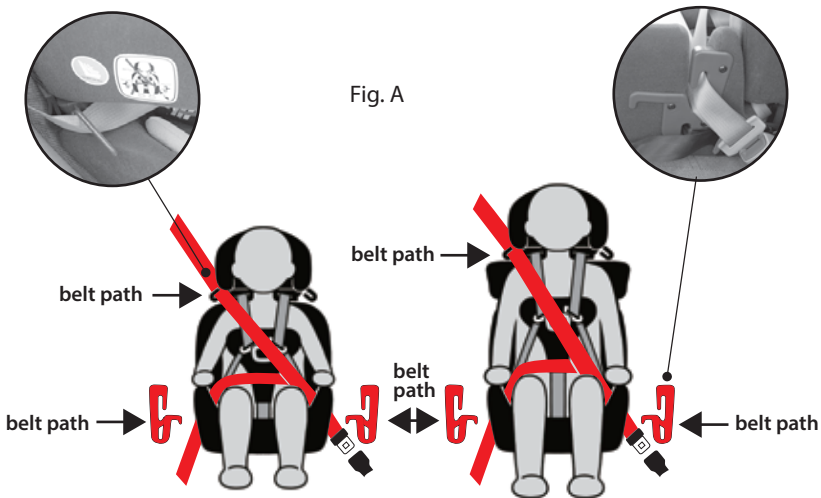
It is your **RESPONSIBILITY** to use the
Vehicle's Safety Belts at the same time.

DO NOT secure a child only with the harness straps (5-point) of the child restraint;
ALWAYS use the vehicle's lap shoulder (3-point) safety belt at the same time to secure
the child restraint and the child.

Not using vehicle's lap shoulder (3-point) safety belt could cause your child restraint
to not perform as intended, and increase the potential of Serious Injury or Death.

Figure A. below illustrates a vehicle lap and shoulder (3-point safety) belt secured
over the child restraint. Child restraint is shown at its smallest and largest
configurations.

IMPORTANT: Upper belt path should be above occupant's shoulder for
proper securement.



Care and Maintenance

Upholstery Cover, Cushions, Pillows and Pads

Upholstery Cover: SPONGE CLEAN using cold water & mild soap, and TOWEL DRY. Do not remove the upholstery cover. Contact the distributor for removal or replacement of the upholstery.

Cushions, Pillow, and Pads: HAND WASH using cold water and mild soap. LINE DRY or LIE FLAT to prevent shrinkage. Do not bleach, machine wash, machine dry or iron, as this may damage fabrics. When damage to fabric occurs, it must be replaced. Periodical replacement is recommended.

Harness Buckle

The child restraint, the harness buckle needs to be periodically checked for performance. If a positive click is not heard when using the harness buckle, it must be replaced.

Harness and Straps

Do not take apart or attempt to take apart the harness and the straps from the child seat. If reassembled incorrectly, the child restraint may not perform as intended. Never remove the buckles and/or the buckle clasps from the harness or the straps. They cannot be reattached after removal.

Warranty

For your convenience, record all the information about your child restraint below.
Refer to the Serial Number & Manufactured Date Label for all information:

LIMITED FIVE-YEAR WARRANTY

Product Model: **CARROT 3 CHILD RESTRAINT SYSTEM**

Name: _____

Street Address: _____

City: _____ State: _____

Zip Code: _____ Country: _____

Phone Number: _____

Email Address: _____

Lot Number: _____

Serial Number: **CT3** - _____

Manufactured Date: _____

Date of Purchase: _____

Distributor: _____

Warranty

LIMITED FIVE-YEAR WARRANTY

This product is warranted against defective materials and workmanship for five years from the date of original purchase. Proof of purchase is required.

To make a claim under this warranty, contact the authorized distributor or the retailer from whom you purchased this product. Proof of purchase is required.

WARRANTY LIMITATIONS

This warranty does not include damages which arise from negligence, minor use not in accordance with the product instruction.

The use of non-CARROT 3 covers, inserts, toys, accessories, or tightening devices is not approved. Their use could cause this child seat to fail Safety Standard FMVSS 213, or not to perform as intended in a crash. Their use automatically voids this warranty.

LIMITATION OF DAMAGES

The warranty set forth above is exclusive and in lieu of all others, oral or written, express or implied. In no event will the manufacturer, the distributors, or the retailers selling this product, be liable for any damages, including incidental or consequential damages, arising out of the use or inability to use this product.



2830 California Street, Torrance, CA 90503

(888) 266-8243 • (310) 618-0111 • Fax: (310) 618-2166

Website: www.convaaid.com • Email: custservice@convaaid.com